

New Jersey Greenhouse Gas Emissions; Estimates and Projections; Millions of Metric Tons CO₂ Equivalent

Sector	Sub-sector	2004	2020 BAU	2020 w. planned actions	Comments
Transportation	On-road gasoline	38.3	44.3	34.6	2020 w. actions assumes CALEV, is sensitive to VMT
	On-road diesel	7.5	11.0	10.8	
	Aviation	1.0	1.0	1.0	primarily jet fuel, estimated in-state use only
	Marine	1.5	1.8	1.8	port use only; does not include port expansion
	Railroad & Other	0.5	0.6	0.6	
Electricity	In-state	19.0	28.1	19.6	2020 w. actions set equal to RGGI cap + 5% for non-RGGI units
	In-state, on-site, inc. CHP		0.9	7.2	
	In-state, refuse & biomass	1.3	2.7	4.0	assumes biomass emissions similar to biodiesel
	Imported	13.4	10.9	-10.1	negative value represents exported electricity
Residential	Space heat	13.6	8.2	5.8	estimated reductions from all R, C, & I sectors based on
	Other combustion	3.9	3.5	3.3	EMP actions, including use of CHP waste heat
Commercial	Space heat	6.6	8.0	5.6	
	Other combustion	4.8	5.1	5.0	
Industrial	Space heat	0.9	0.6	0.6	
	Other combustion	17.1	16.0	15.1	
Halogenated gases (ex. SF ₆)		3.4	8.4	8.4	
SF ₆		0.4	0.1	0.1	
Industrial non-fuel related		0.1	0.1	0.1	
Agriculture		0.5	0.4	0.4	
Natural gas T&D		2.4	2.6	2.6	
Landfills, POTWs		6.1	4.6	4.6	Includes out-of-state LFs taking NJ MSW
Released thru land clearing		1.1	1.1	1.1	
Sequestered by forests		-6.8	-5.9	-5.9	
Totals		136.6	154.0	116.2	
1990 estimate	123.2				

DRAFT; 10/08. All values are estimates; 1990 and 2004 values are believed to be accurate to within 5%, 2020 projections are much less certain